

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A ceramic material comprising:

a solid solution comprising:

a first ceramic material having a perovskite structure and defining a host lattice,
the first ceramic material comprising lead, zirconium and titanium; and
a second ceramic material having a cryolite structure and comprising {A₄(B₂_{2x/3}Nb_{2+2x/3})O_{11+x}V_{1-x}}, where A comprises barium or strontium, where B comprises
strontium or calcium, where V comprises an oxygen vacancy, and where 0 ≤ x ≤ 1.

2. (Previously Presented) The ceramic material of claim 1, wherein the first ceramic
material and the second ceramic material comprise a mixed crystal phase.

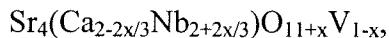
3. (Canceled)

4. (Previously Presented) The ceramic material of claim 1, wherein the second ceramic
material comprises

$\{Sr_4(Sr_{2-2x/3}Nb_{2+2x/3})O_{11+x}V_{1-x}\}$,

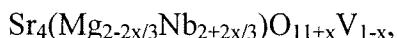
where V comprises an oxygen vacancy, and where 0 ≤ x ≤ 1.

5. (Previously presented) The ceramic material of claim 1, wherein the second ceramic material comprises



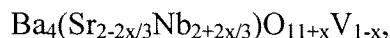
where V comprises an oxygen vacancy, and where: $0 \leq x \leq 1$.

6. (Previously Presented) The ceramic material of claim 1, wherein the second ceramic material comprises



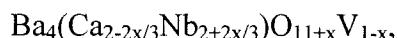
where V comprises an oxygen vacancy, and where $0 \leq x \leq 1$.

7. (Previously Presented) The ceramic material of claim 1, wherein the second ceramic material comprises



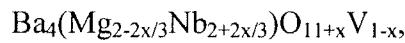
where V comprises an oxygen vacancy, and where $0 \leq x \leq 1$.

8. (Previously Presented) The ceramic material of claim 1, wherein the second ceramic material comprises



where V comprises an oxygen vacancy, and where $0 \leq x \leq 1$.

9. (Previously Presented) The ceramic material of claim 1, wherein the second ceramic material comprises



where V comprises an oxygen vacancy, and where $0 \leq x \leq 1$.

10. (Previously Presented) The ceramic material of claim 1, wherein the first ceramic material comprises $\text{Pb}(\text{Zr}_a\text{Ti}_{1-a})\text{O}_3$, where $0.5 \leq a \leq 0.6$.

11. (Previously Presented) The ceramic material of claim 1, wherein the first ceramic material comprises a mixed crystal phase, the first ceramic material comprising a PZT ceramic and an additional component having a perovskite lattice-type structure.

12. (Previously Presented) The ceramic material of claim 11, wherein the additional component comprises KNbO_3 .

13. (Previously Presented) The ceramic material of claim 11, wherein the additional component comprises $\text{Pb}(\text{M}^{\text{II}}_{1/3}\text{M}^{\text{V}}_{2/3})\text{O}_3$, where M^{II} comprises Mg, Zn, Co, Ni, Mn, or Cu, and where M^{V} comprises Nb, Ta, or Sb.

14. (Previously Presented) The ceramic material of claim 11, wherein the additional component comprises $Pb(M^{II}_{1/2} M^{VI}_{1/2})O_3$, where M^{II} comprises Mg, Zn, Co, Ni, Mn, or Cu, and where M^{VI} comprises W.

15. (Previously Presented) The ceramic material of claim 11, wherein the additional component comprises $Pb(M^{III}_{1/2} M^V_{1/2})O_3$, where M^{III} comprises Fe, Mn, Cr, or Ga, and where M^V comprises Nb, Ta, or Sb.

16. (Previously Presented) The ceramic material of claim 11, wherein the additional component comprises $Pb(M^{III}_{2/3} M^{VI}_{1/3})O_3$, where M^{III} comprises Fe, Mn, Cr, or Ga, and where M^{VI} comprises W.

17. (Previously Presented) The ceramic material of claim 11, wherein the additional component comprises $Pb(Li^{I}_{1/4} M^V_{3/4})O_3$, where M^V comprises Nb, Ta, or Sb.

18. (Currently Amended) A ceramic comprising:
a material having a formula [[of]] $A_{1-b-c} B_b C_c$, where $0 \leq b \leq 0.5$ and $0 < c \leq 0.01$ $0 \leq e \leq 0.04$;

wherein:

A comprises $Pb(Zr_a Ti_{1-a})O_3$, where $0.5 \leq a \leq 0.6$;

B comprises an additional component having a perovskite lattice-type structure;
and

C comprises a ceramic material having a cryolite lattice-type structure.

19. (Previously Presented) The ceramic of claim 18, further comprising up to 3 mol.%
of PbO.

20. (Previously Presented) The ceramic of claim 18 which is substantially free of
KNbO₃.

21-23. (Withdrawn)

24. (Previously Presented) The ceramic material of claim 1 which is substantially free of
KNbO₃.

25. (Withdrawn)